



Appn. Number 09/690,657 (Thompson); Art Unit 3637, Examiner: Mark Wendell
Claims:

I claim:

1.-23. (CANCELED)

24. (NEW) A method of attaching a bracket to a solid, generally flat surface comprising:
- a. drilling into a surface using a standard coring-bit;
 - b. removing the coring-bit, leaving a drilled-out circle and a cylinder-shaped core;
 - c. applying adhesive into the circle area and on top of the core;
 - d. applying a bracket having a generally open-can shape with cylinder-shaped sides that slide into the circle, and a generally flat surface that rests on top of the core;
 - e. forming a strong bond with the adhesive between the inside and outside surface of the cylinder and the outside surface of the core and the inside surface of the drilled circle, and between the top of the core and the flat surface of the bracket.
25. (NEW) The method of claim 24 wherein drilling depth of the coring-bit is generally less than drilling using a standard drill-bit.
26. (NEW) The method of claim 24 wherein less material is removed from the surface using the coring-bit than when using a standard drill-bit.
27. (NEW) The method of claim 24 wherein less time is consumed when drilling with the coring-bit than when using a standard drill-bit.
28. (NEW) The method of claim 24 wherein a standard rotary-drill is used on the coring-bit when drilling in masonry, whereas an uncommon hammer-drill is used on a standard drill-bit.
29. (NEW) The method of claim 24 wherein less adhesive is used in filling a drilled-out circle and core top, than in filling a standard drilled-out hole when using a standard drill-

Appn. Number 09/690,657 (Thompson); Art Unit 3637, Examiner: Mark Wendell
bit.

30. (NEW) The method of claim 24 wherein the core holds the bracket in place while the adhesive is curing, whereas brackets in standard drill holes can lean to edges of the drilled hole.
31. (NEW) The method of claim 24 wherein the bonding surface area between a core, drilled by a coring-bit, and a cylinder is much more than a bolt inserted into a hole, drilled by a standard drill-bit.
32. (NEW) The method of claim 24 wherein drilling a circle with a coring-bit and leaving the core for support, strength, and increased bonding surfaces is a vast improvement over standard drilling with a standard drill-bit.
33. (NEW) A bracket for inserting into a circle, drilled by a core-bit comprising:
 - a. sides that are shaped like a cylinder;
 - b. one end of the cylinder is open;
 - c. the other end of the cylinder is generally closed and generally flat;
 - d. the opposite side of the closed end contains an attaching web;
34. (NEW) The bracket of claim 33 wherein the diameter of the cylinder is generally similar to the diameter of a coring-bit, thereby the cylinder fits into the drilled-out circle left by a coring bit.
35. (NEW) The bracket of claim 33 wherein the open end of the cylinder has an opening and diameter to fit over the core left by a coring bit.
36. (NEW) The bracket of claim 33 wherein the bracket is attached to the drilled circle and core by an adhesive.

Appn. Number 09/690,657 (Thompson); Art Unit 3637, Examiner: Mark Wendell

37. (NEW) The bracket of claim 33 wherein the adhesive has generally full contact with the cylinder and flat end of said bracket.
38. (NEW) The bracket of claim 33 wherein the cylinder has at least one break for better gripping of the adhesive.
39. (NEW) The bracket of claim 33 wherein the attaching web on the opposite side of the closed end has an attached web for temporary or permanent holding of different types of apparatuses that need to be secured to a generally flat surface.